

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2004/051931

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02F1/1333 G02F1/1362 G02F1/1345 H05K1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02F H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/45160 A (KONINKL PHILIPS ELECTRONICS NV) 6 June 2002 (2002-06-06) cited in the application the whole document -----	1,3,4, 6-11,13, 18
X	US 2002/067456 A1 (TATSUMI HIRONOBU) 6 June 2002 (2002-06-06) the whole document -----	1,2,6, 8-10,12, 14-20
X	US 2002/130614 A1 (HUIITEMA HJALMAR EDZER AYCO ET AL) 19 September 2002 (2002-09-19) the whole document -----	1,3, 5-10,12, 17,18
X	EP 1 189 097 A (ALPS ELECTRIC CO LTD) 20 March 2002 (2002-03-20) the whole document -----	1,3,5-7, 13,17
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

9 December 2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 601 861 A (ROBERTS WILLIAM N ET AL) 22 July 1986 (1986-07-22) cited in the application the whole document -----	1,2,7,13

## Information on patent family members

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